



COUNTY BOROUGH OF TYNEMOUTH

SIXTY-FIRST
ANNUAL REPORT

OF THE
Medical Officer of Health

1941.



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NORTH SHIELDS :

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**County Borough of Tynemouth,
HEALTH COMMITTEE.**

THE MAYOR—Councillor R. A. ANDERSON.

Chairman :

Councillor W. R. FORSTER.

Deputy Chairman :

Councillor G. C. BARBER.

Members :

Alderman HARRISON, J.P.	Councillor Mrs. FRATER, J.P.
„ MIDDLEMISS, J.P.	„ HAILS.
„ J. W. G. SPENCE.	„ HUNTER.†
Councillor BARBER.	„ MORALEE.*
„ BURNETT.	„ MURRAY.
„ CHAMBERS.	„ PARK.
„ DOLBY.	„ J. SMITH.
„ FORSTER.	„ STANGER.
Councillor THEWLES.	

† Died 12th February, 1941. * Elected 26th February, 1941:

R. H. DAWSON, M.B., CH.B., D.P.H. (Edinburgh).

Medical Officer of Health,

Chief Medical Adviser to the Local Authority,

Chief Medical Officer to the Education Authority,

Administrative Tuberculosis Officer,

**Medical Superintendent of Infectious Diseases and Smallpox Hospitals
and**

Vaccination Officer.

STAFF OF THE PUBLIC HEALTH DEPARTMENT.

—:O:—

Medical Officer of Health and Vaccination Officer :	R. H. DAWSON, M.B., CH.B., D.P.H.
Assistant Medical Officer of Health :	R. M. WHITE, M.B., CH.B., D.P.H.
Maternity and Child Welfare Officer :	MARGARET B. STEEL, M.B., CH.B., D.P.H.
Senior Sanitary Inspector :	C. A. MURRAY, Cert. S.I.B., Cert. Meat Inspection.
Sanitary Inspectors :	E. E. MILBURN, Cert. R.S.I. J. E. HALL, Cert. R.S.I., Cert. Meat Insp. F. G. V. RUMSEY, Cert. R.S.I. J. H. RILEY, Cert. R.S.I.
Tuberculosis Nurses :	M. IRVING, S.R.N., S.C.M. A. TINDLE, S.R.N., S.C.M.
Health Visitors :	I. FRASER, H.V. Cert., S.R.N., S.C.M. E. MARSHALL, H.V. Cert., S.R.N., S.C.M. V. PARKER, H.V. Cert., S.C.M. A. MILBURN, H.V. Cert., S.R.N., S.C.M.
Chief Clerk :	A. R. FORSYTH.
Clerks :	W. R. MILLER. G. G. ELLIS. B. O. BLAGBURN (H.M. Forces). E. McNEIL (H.M. Forces).
Junior Clerk :	F. JEFFREY.
Messenger :	
Typist :	Miss E. MORPETH.
Disinfector :	H. G. HODGSON.
Matron (Moor Park Hospital) :	Miss K. ROBINSON.
Matron (Frater Maternity Home)	Miss C. CORNEY.
Midwives :	Miss D. BRAND, S.R.N., S.C.M. Miss M. CARRUTHERS, S.C.M. Mrs. E. FANTHORPE, S.C.M. Mrs. M. HALL, S.R.N., S.C.M. Mrs. H. HOROBIN, S.R.N., S.C.M. Mrs. M. KANE, S.C.M. Miss M. LUKE, S.C.M. Mrs. E. MOONEY, S.C.M.

PUBLIC HEALTH DEPARTMENT,
TYNEMOUTH.

December, 1942.

*To The Mayor, Aldermen and Councillors,
of the County Borough of Tynemouth.*

YOUR WORSHIP, LADIES and GENTLEMEN,

I have the honour to submit the Sixty-First Annual Report of the Medical Officer of Health, upon the health and sanitary conditions of this Borough for the year 1941.

The general health of the population of the Borough, as that of the country as a whole, does not appear to have been adversely affected by war conditions.

The two outstanding features of comparison with pre-war reports, are the decline of the Birth Rate, and the slight, but noticeable increase in the incidence of Tuberculosis.

During the year a scheme for the Immunisation against Diphtheria of the child population, was instituted in the Borough. The response on the part of parents has been reasonably satisfactory.

In conclusion, I desire to express my thanks to the Chairman and members of the Health Committee, for their keen interest and support throughout the year under review, and also my appreciation to all members of the staff of the Health Department for their very helpful co-operation.

I have the honour to remain,

Your obedient Servant,

R. H. DAWSON,

Medical Officer of Health.

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SECTION A.

STATISTICAL AND SOCIAL CONDITIONS OF THE AREA.

STATISTICAL AND SOCIAL CONDITIONS OF THE AREA.

Area (Acres) (Exclusive of 80 Acres covered by inland water) ...	4,604
Population (1931 Census)	64,922
Population (estimated 1941—Registrar-General)	56,240
Total Dwellings occupied and vacant (1931 Census)	13,635
Number of Private Families therein (1931 Census)	16,079
Average Number of Persons per Family (1931 Census)	3.86
Rateable Value (1st April, 1941)	£429,369
Sum represented by a penny rate	£1,551

EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

Number of Marriages during 1941	614
Total Live Births	897
Legitimate Males 421 ; Females 425 ;	
Illegitimate „ 23 ; „ 28 ;	
Birth Rate	15.95
Stillbirths (Registrar-General)	38
Legitimate Males 20 ; Females 15 ;	
Illegitimate „ 3 ; „ — ;	
Stillbirth Rate per 1,000 Live Births	42.36
Deaths	1,066
Males 558 ; Females 508 ;	
Death Rate	18.95
Percentage of Deaths in Public Institutions	32.45

Deaths from Puerperal Causes :—

	No.	Rate (per 1,000 total live and stillbirths).
From Puerperal Sepsis	0	0.00
From Other Maternal Causes	3	3.21
	<hr/>	<hr/>
Total	3	3.21
	<hr/>	<hr/>

Death Rate of Infants under one year of age :—

All Infants, per 1,000 live births...	95
Legitimate Infants, per 1,000 legitimate live births ...	89
Illegitimate Infants, per 1,000 illegitimate live births...	196
Deaths from Cancer (all ages)	98
Deaths from Measles (all ages)	Nil.
Deaths from Whooping Cough (all ages)	3
Deaths from Diarrhoea (under 2 years of age)	5
Amount expended in out-relief, 1941	£24,797

POPULATION.

The Population of the Borough as recorded at the time of the 1931 Census was 64,922.

The Registrar-General has estimated the population of the Borough, at mid-year 1941 as 56,240, and all rates given in this Report are based on these figures.

The density of the population of the Borough is calculated on the land area (4,604 acres) and for 1941 shows 12.2 persons to the acre.

The average number of persons to the acre at the Census (1931) was 14.9.

BIRTHS.

The nett total births assignable to the Borough were 897 which gives an annual birth rate of 15.95 per 1,000 of the population.

The live birth rate for England and Wales for 1941 was 14.2 per 1,000 of the population.

The total births were made up as follows :—

Live.	Legitimate Males 421 ;	Legitimate Females 425
	Illegitimate „ 23 ;	Illegitimate „ 28
	<hr/>	<hr/>
	TOTALS 444	TOTALS 453
	<hr/>	<hr/>
Still.	Legitimate Males 20 ;	Legitimate Females 15
	Illegitimate „ 3 ;	Illegitimate „ —
	<hr/>	<hr/>
	TOTALS 23	TOTALS 15
	<hr/>	<hr/>

The percentage of illegitimate births to the total births for 1941 was 5.68.

DEATHS.

The nett deaths were 1,066, which is equivalent to a death rate of 18.95 per 1,000 of the population. The rates for England and Wales, and the Great Towns were 12.9 and 14.9 respectively.

The number of deaths of persons belonging to Tynemouth which occurred in Public Institutions during the year was :—

Tynemouth Poor Law Institution 210 ; Tynemouth Victoria Jubilee Infirmary 37 ; Moor Park Isolation Hospital 19 ; Other Institutions outside the Borough 80 ; making a total of 346, which represents 32.45 per cent. of all deaths of residents during the year.

PRINCIPAL CERTIFIABLE CAUSES OF DEATH.

	No. of Deaths.	Proportion of Deaths per 1,000 Deaths from all causes.
Diseases of Circulatory System :—		
Disease of the Heart	172	161.35
Intra-Cranial Vascular Lesions	86	80.67
Other Circulatory Diseases ...	29	27.20
Respiratory Diseases :—		
Pneumonia	40	37.52
Influenzal Pneumonia	11	10.32
Bronchitis	87	81.61
Other Respiratory Diseases ...	18	16.88
Tuberculosis :—		
Tuberculosis (all forms) ...	66	61.91
Cancer and Malignant Diseases :—		
Cancer and Malignant Diseases	98	91.93
Deaths from All Causes	Total 1,066.	

INFANTILE MORTALITY.

There were 85 deaths of infants under one year of age which gives an Infantil Mortality Rate of 95 per 1,000 live births.

The Infantile Mortality Rates for England and Wales, and for the Great Towns were 59 and 71 respectively.

NEO-NATAL MORTALITY.

The Neo-Natal Mortality, i.e. the death rate of infants under one month of age, per 1,000 births was 31.2.

MATERNAL MORTALITY.

There were 3 Maternal Deaths during the year, giving a mortality rate of 3.21 per 1,000 live and still births.

COMPARATIVE TABLE OF MATERNAL DEATHS FOR PAST 10 YEARS.

Year.	Births.	Birth Rate.	TYNEMOUTH.		England and Wales Maternal Mortality per 1,000 live and stillbirths.
			No. of Maternal Deaths (R.G.).	Maternal Mortality per 1,000 live and stillbirths.	
1932	1,238	18.66	5	4.04	5.37
1933	1,135	17.25	6	5.28	5.94
1934	1,172	17.77	5	4.26	5.85
1935	1,201	17.38	3	2.49	4.10
1936	1,209	18.10	4	3.31	3.81
1937	1,087	16.25	2	1.84	3.23
1938	1,104	16.60	5	4.50	3.08
1939	1,119	16.70	2	1.74	2.93
1940	1,060	17.74	6	5.47	2.16
1941	897	15.95	3	3.32	3.87
Average	1,122	17.24	4	3.62	4.03*

* Mean of 10 years.

SECTION B.

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

MEDICAL PRACTITIONERS.

There are 20 doctors resident in the County Borough of Tynemouth who are engaged in private practice.

LABORATORY FACILITIES.

There has been no change during the year in the provisions of laboratory facilities which were described in the Annual Report for 1940. The following table shows the number, nature and results of examination of the specimens examined in the Tynemouth Laboratory from 1937.

Year.	Diphtheria.		Phthisis.		Typhoid Fever.		Streptococcus.		Miscellaneous.	Totals.
	+	—	+	—	+	—	+	—		
1937	168	1,333	38	233	9	58	21	150	193	2,203
1938	445	2,935	78	227	2	57	13	160	179	4,096
1939	221	1,724	129	244	2	52	19	228	171	2,790
1940	220	1,511	38	213	—	5	14	247	265	2,513
1941	283	2,583	92	275	—	—	17	212	573	4,035

The bacteriological examination of milk, water and other specimens is carried out by arrangement at King's College Laboratory, Newcastle.

The following specimens were examined during the year :—

(1)	Bacteriological Examinations of Milk	...	...	74*
(2)	Excreta for enteric and disenteric organisms	...	...	14
(3)	Blood for serological tests	...	...	11
(4)	Other examinations	...	...	25
Total				124

* Includes 33 inoculation investigations.

Chemical and Bacteriological analysis are performed for the Local Authority by the Public Analysts for the Borough, in their Laboratory in Newcastle. During the year nine bacteriological and one chemical examinations were made on samples submitted by the Water Engineer.

In Preston Hospital and in the Tynemouth Victoria Jubilee Infirmary, certain examinations and analyses of clinical material were performed by the staff of each hospital, such examinations including blood counts, blood sugar examinations, urine analyses, slide, and smear preparations, etc.

HOSPITALS AND INSTITUTIONS.

FACILITIES AVAILABLE AT HOSPITALS IN THE COUNTY BOROUGH OF TYNEMOUTH.

Preston Hospital.

An agreement as to joint usage of this Hospital with the Northumberland County Council has been extended until 1950.

The figures given below show the number of patients treated, and the nature of the disease dealt with, in Preston Hospital, during the year 1941, and relate to all patients admitted from both the County Borough of Tynemouth, and the County Council of Northumberland.

Preston Hospital—General Statistics.

Number of beds available	...	...	...	...	...	480
Number of patients admitted during the year	...	...	...	...	...	3,270
Number of patients discharged and died	...	...	...	...	...	3,228
Number of deaths during the year	...	...	...	...	...	443
Average number of beds occupied	...	...	...	...	...	299

(Highest 350 on 27/2/41 ; Lowest 256 on 13/4/41).

Number of patients seen at Venereal Diseases Clinic	...	...	448
Number of attendances at V.D. out-patient department...	...	...	7,113
Number of surgical operations under general anaesthetic	...	...	107

Preston Hospital.

	C.B.	C.C.	Total.
Number of children, including children suffering from Tuberculosis, admitted from 1/1/41 to 31/12/41	328	154	482
Number of Maternity Patients admitted from 1/1/41 to 31/12/41	226	70	296
Number of patients seen ante-natally	149	34	183
Total number of visits by ante-natal patients	573	87	660
Number of X-Ray Examinations (Preston Hospital) ... ..	...	...	530

Statistical Table relating to In-Patients from Tynemouth County Borough and Northumberland County Council from 1st January to 31st December, 1941.

	County Borough.	County Council.
1. Total number of admissions	1,070	747
2. Number of women confined in Hospital	196	51
3. Number of live births	189	49
4. Number of stillbirths	13	5
5. Number of deaths among newlyborn (In Hosp.) (i.e. under four weeks old) ... (Others)	7 4	— 2
6. Total number of deaths among children under one year	16	3
7. Number of Maternal Deaths	—	1
8. Total number of deaths	199	218
9. Number of patients discharged	860	505
10. Number of beds occupied :—		
(a) Average during period	299	
(b) Highest—on 27th February, 1941	350	
(c) Lowest—on 13th April, 1941	256	
11. Number of surgical operations under general anaesthetic (excluding dental operations)	97	
12. Number of abdominal sections... ..	14	

Tynemouth Victoria Jubilee Infirmary.

The following is a summary of the work performed in the Hospital during 1941.

Total patients treated	5,242
(In-patients 1,420 ; Out-patients 3,822).	
Operations under general anaesthesia	1,615
Patients treated in Massage and Electrical Department (8,233 visits)	338
Examinations in X-Ray Department	4,970
Specimens Examined in Laboratory	519

Frater Maternity Home.

This Maternity Home is under the control of the Public Health Committee, and is administered in co-operation with the Tynemouth Victoria Jubilee Infirmary, one Matron acting for both Institutions. General Practitioners attend their own patients in the Home. Part of the cost of the Services under the local scheme is recovered from the Patients, in accordance with a scale of charges based on the family income.

130 patients were admitted during the year, resulting in 128 confinements, two of which were stillbirths. The total births were 129 of whom 67 were males and 62 females.

As a matter of routine, swabs are taken from patients on admission, and of 227 total examinations made, 15 swabs showed streptococci.

Average duration of residence per patient was 12.97 days. Medical Aid was summoned in 29 cases, 23 for the Mother and 6 for the Child. There were two Infantile Deaths during the year.

Balkwell Smallpox Hospital.

This Hospital has ceased to be available for Smallpox Cases as from the commencement of the War.

Moor Park Hospital.

TABLE SHOWING ADMISSION, DISCHARGES AND DEATHS DURING 1941.

Disease.	Patients in Hospital on 1/1/41.	Admitted.	Discharged.	Died.	Remaining in Hospital, 31/12/41.
Diphtheria ...	20	213	203	8	22
Scarlet Fever ...	2	16	12	—	6
Tuberculosis ...	17	34	35	3	13
Enteric Fever ...	—	1	—	—	1
Measles ...	—	9	9	—	—
Other Cases ...	2	43	45	—	—
Totals ...	41	*316	304	11	42

* Of the 316 cases admitted during the year, 64 were Service Cases, viz.: 33 Diphtheria; 1 Scarlet Fever; 2 Tuberculosis; 8 Tonsillitis; 7 Vincents Angina, and 13 other cases.

The total number of days spent in hospital by patients during the year was 16,705 or an average of 52.83 days per patient.

REGISTRATION OF NURSING HOMES.

One Nursing Home is registered under the Public Health Act, 1936,

INSTITUTIONAL PROVISION FOR UNMARRIED MOTHERS AND ILLEGITIMATE INFANTS, HOMELESS CHILDREN, AND OTHER CHILDREN.

Under the above provisions, the following work was done during the year.

Tynemouth Rescue and Preventive Association. (Voluntary—Subsidised by Council). Cases investigated 82 ; Cases placed in homes 10 ; Visits paid and received 880.

Public Assistance Committee, Tynemouth County Borough.

Admitted to Homes :—Orphans 2 ; Deserted Children 0 ; Illegitimate Children 8 ; Others 41 ; Total 51.

Admitted to Institution :—Unmarried Mothers 19 ; Illegitimate Children 26 ; Total 45.

INSTITUTIONAL PROVISION FOR THE CARE OF MENTAL DEFECTIVES.

The following table shows the Institutions used by the Local Authority and the number of patients under treatment at the end of 1941.

		Prudhoe Hall Colony. Northumb'land N.E. Co. Boro Joint Board.	Harton Poor Law Institution. South Shields Co. Boro.	*Howbeck House Poor Law Institution. W. Hartlepool Co. Boro.	Durran Hill House, Carlisle. R.C. Certified Institution.	Rampton State Inst'n., Notts. Board of Control for violent cases.
Feeble-minded	M.	37	2	—	—	3
	F.	27	—	1	—	—
Imbeciles	M.	9	2	1	—	—
	F.	6	—	1	1	—
Idiots	M.	1	—	—	—	—
	F.	1	—	—	—	—

* Part of premises a certified institution.

Mental Defectives are also admitted from time to time to Preston Road Institution, North Shields as a "place of safety" pending removal to an approved Institution.

In addition the following cases are under Statutory Supervision :—

Males 44 ; (including 1 on leave of absence on licence in the Borough) and Females 50 ; (including 1 on leave of absence on licence in the Borough).

BLIND PERSONS.

The total number of Blind Persons on the Register at the end of the year was 145. Under Section 176 of the Public Health Act, 1936, for the prevention of blindness and for the treatment of eye disease or injury, 19 cases were dealt with.

MATERNITY AND CHILD WELFARE.

MARGARET B. STEEL, M.B., Ch.B., D.P.H.,

Maternity and Child Welfare Medical Officer.

The attendances at the Maternity and Child Welfare Clinics again show a marked decrease compared with those of previous years, due in large measure to evacuation, and also to the fact of a falling off in the birth rates during war periods.

MUNICIPAL MIDWIFERY SERVICE.

This scheme, instituted in accordance with the provisions of the Midwives Act, 1936, has given satisfactory service throughout the year, during which time 390 births were attended, 334 as Midwife, and 56 in the capacity of Maternity Nurse.

The daily Ante-Natal Clinics, held at the Public Health Department, as part of this service, at which the Municipal Midwives attend on set days for the convenience of their own patients, were well attended, and a total of 498 new cases were examined. Any abnormality found to be present in the condition of a patient is reported immediately by the Maternity and Child Welfare Officer to the patient's own medical practitioner, and during 1941 there were 14 such cases reported.

Ante-Natal Clinics were also held at the Tynemouth Victoria Jubilee Infirmary, and at Preston Hospital, for the convenience of patients booking at these Institutions, and the following table shows the total Ante-Natal Clinical Attendances for the year.

Centre.	Total New Cases.	Total Attendances.	Average Attendances.
Municipal Clinic ...	498	2,175	4.36
Preston Hospital ...	183	660	3.60
Totals	681	2,835	4.20

12 midwives notified their intention to practice in the County Borough of Tynemouth Area, in addition to the eight midwives engaged in the Municipal Midwifery Service, and a total of 654 cases were attended, 182 of which were attended as Maternity Nurse.

A summary of attendances is given below :—

Municipal Midwives attended as	midwife ...	334	}	390
„ „ „	maternity nurse...	56		
Institutional Midwives	midwife ...	114	}	128
(T.V.J.I. and Frater Home) „	maternity nurse...	14		
Private Midwives	midwife ...	24	}	136
„ „ „	maternity nurse...	112		

MEDICAL AID.

In accordance with the regulations of the Central Midwives' Board, Medical Aid was summoned in 209 cases, 178 for the Mother, and 31 for the Child.

NOTIFICATION OF BIRTHS.

A total of 918 births were registered during the year (881 live and 37 stillbirths), and were notified as follows :—

Notified by Doctors ...	18
Notified by Midwives ...	606
Notified by Others ...	294

5 births were not notified, but immediately on the requirements of the Notification of Births Act being brought to the notice of the persons concerned, these were officially intimated.

STILLBIRTHS.

The figure of stillbirths registered for this Borough, as given by the Registrar-General, for the year, was 38. Included in this number are 3 illegitimate stillbirths.

PUERPERAL PYREXIA.

6 cases were notified during the year, all of which were admitted to Hospital.

Of the total cases notified :—

- 4 were attended at birth by Midwives.
- 2 „ „ „ Doctors.
- 3 cases attended Ante-Natal Clinics.

POST NATAL CLINICS.

As mentioned in previous Annual Reports, no great number of cases attended the special Post Natal Clinics held at the Public Health Department daily, patients preferring to attend the Child Welfare Clinics held three times per week, during the afternoon, when they attend with their children. Opportunity has been given during the past year for mothers to make Post-Natal enquiries at these afternoon sessions, and a fair average of cases have been examined, and advice given.

ULTRA-VIOLET LIGHT CLINICS.

Clinics are held twice each week at the Public Health Department. Conditions treated during the past year were, Rickets 7 ; Debility and Anaemia 9 ; Malnutrition 6 ; Other Causes 3 ; a total of 25 cases, who made 382 attendances.

MILK (MOTHERS AND CHILDREN) ORDER.

A Milk Depot, administered by the Local Authority and assisted by Voluntary Workers, is in operation, and provides for necessitous pregnant and nursing mothers, and children under 1 year of age. During the past year a total of 19,304 lbs. of Dried Milk was distributed. Dried Milk was supplied free, or at less than cost price in 64 cases.

No. of persons receiving Dried Milk Free	...	...	28
No. of persons receiving Dried Milk at less than cost price	...	...	36
No. of lbs. distributed free	...	...	290
No. of lbs. distributed at less than cost price	...	...	335
No. of lbs. distributed at cost price	...	...	18,679

The total amount expended by the Local Authority on the purchase of Dried Milk during the year was £2,103. 11s. 11d., whilst a sum of £2,625. 14s. 11d. was recovered by way of the scale charges made to patients, which sum includes the sale of reserve stock. This distribution will in future come under the National Dried Milk Scheme.

CHILD WELFARE.

Three Clinics are held weekly for the weighing of children, whilst consultations concerning the health and feeding, together with general advice, are given to mothers.

Treatment for ear, nose and throat conditions, and defective vision is given by the Schools Medical Officer, and also at the Tynemouth Victoria Jubilee Infirmary, at which Institution cases of Dental caries are also treated. Minor operative or any surgical treatment is also available at the Out-Patient Department of this Infirmary.

HEALTH VISITING AND INFANT HYGIENE.

12,645 visits were made by the Health Visitors during the year, and a summary of these visits is given below :—

Infants under 1 year : First visits 794 ; Re-visits 2,596	...	3,390
Infants between one and five years	...	9,214
Ante-Natal Cases Visited	...	41
		<hr/>
		12,645
		<hr/>

During the year, 42 visits were made by the nurses engaged in the County Nursing Association Scheme for Home Nursing.

The following table shows the number of children on the register and the number of re-visits made during the year in each age group. (Nett births in the area during 1941 numbered 897) :—

Age Periods.	Number on Register, December, 1941.	Number of Re-visits made during 1941.	No. receiving Medical Inspection at M. & C.W. Centre.	No. of attendances for Medical Inspection during 1941.
0-1 year ...	785	2,596	889	4,577
1-2 „	919	2,609	815	2,045
2-3 „		2,393		
3-4 „		2,046		
4-5 „		2,166		

INFANT LIFE PROTECTION.

The Infant Life Protection Visitor, is a member of the staff of the P.A.C., and works in close co-operation with the Health Visitors and School Nurses of the Local Authority.

During the year 15 visits were made, and the following notices were received :—

Reception of nurse child ...	...	...	nil.
Removed to care of Mother ...	...	...	nil.
Legally adopted ...	...	...	nil.

NURSERY SCHOOLS.

There are two Nursery Schools in this Borough, both of which have places for 80 children. Dr. Margaret B. Steel, the Maternity and Child Welfare Officer acts as Hon. Medical Advisor to both schools.

These schools have been closed owing to the war, and the children are now evacuated to the country.

SECTION C.

SANITARY CIRCUMSTANCES OF THE AREA.

WATER.

The Capital Cost of the Water Undertaking of the County Borough of Tynemouth to date, amounts to £1,039,557.

Chemical and Bacteriological analysis of water samples are performed for the Local Authority, by the Public Analysts for the Borough in their Laboratory at Newcastle-upon-Tyne.

SWIMMING POOLS.

There are two Open-Air Salt Water Swimming Pools situated within the Borough. Periodically samples of water have been taken and have always attained a satisfactory standard.

SANITARY INSPECTION OF THE BOROUGH.

C. A. MURRAY, Cert. S.I.B., Cert. Meat Inspection,
Senior Sanitary Inspector.

PUBLIC HEALTH DEPARTMENT,
TYNEMOUTH,

December, 1942.

To THE MAYOR, ALDERMEN AND COUNCILLORS,

YOUR WORSHIP, LADIES AND GENTLEMEN,

I beg to submit herewith my Annual Report on the Sanitary Inspection of the Borough for the year 1941. This report has been curtailed on the instructions of the Minister of Health. Fuller details of the work carried out will be furnished in a complete report which I intend to compile on the termination of hostilities.

I have the honour to remain,

Your obedient Servant,

C. A. MURRAY,

Senior Sanitary Inspector.

SANITARY INSPECTION.

Total number of inspections made	...	...	...	...	18,461
Total number of re-inspections made	...	...	...	...	2,426

Dwellinghouses.

					Inspections.	Re-inspections.
Ordinary	...	...	...	...	1	—
Infectious Diseases	...	...	...	...	430	62
Housing Act (Sec. 9, 10 and 16)	...	...	...	...	20	38
„ (Special Surveys)	...	...	...	...	—	1
„ (Overcrowding)	...	...	...	...	15	—

Sanitary Conveniences.

Water Closets	...	...	...	...	334	126
Privies and Tub Closets	...	...	...	...	72	—
Urinals	...	...	...	...	21	—

Refuse Storage.

Accumulation	...	...	...	...	58	40
Ashbins	...	...	...	...	17	5
Ash-places	...	...	...	...	—	—

Drains.

Inspections	...	...	...	...	499	110
Smoke Tests	...	...	...	...	30	—
Chemical Tests	...	...	...	...	23	7
Water Tests	...	...	...	...	49	8
Sewers	...	...	...	...	73	19
Cesspools	...	...	...	...	—	—

Factories and Workplaces.

Factories with mechanical power	92	10
Factories without mechanical power (excluding Bakehouses, including Stables, Restaurant kitchens, etc.)	...	...	94	3
Bakehouses with mechanical power	...	...	76	6
Bakehouses without mechanical power	...	...	23	3
Outworkers	...	...	1	1

Miscellaneous.

Civil Defence Services and War Damage	...	10,614	108
Billets—H.M. Forces	...	61	2
Butchers' Shops and Depots	...	96	11
Dairies, Milk Shops, Stores and Cowsheds	...	392	60
Dangerous Structures	...	7	1
Fish Merchants' Shops and Stores	...	40	—
Ice Cream Premises	...	7	1
Lodging Houses	...	10	—
Meetings with Owners or Tradesmen	...	704	24
Miscellaneous Visits	...	330	1
Offensive Trades, including Fish Frying	...	54	5
Piggeries	...	31	4
Slaughterhouses, Private	...	24	3
Special Notices of Slaughter	...	8	—
Smoke Observation	...	1	1
Shops Act Inspections	...	11	2
Special Visits	...	468	—
Sanitary Inspections	...	383	32
Visits under Rats and Mice Destruction Act	...	468	173
Cooked Food Preparers	...	29	—
Street Gullies	...	33	3
Yards and Courts	...	27	1
Streets and Back Roads	...	9	2
Verminous Premises	...	88	27
Animals, Poultry, etc.	...	2	—
Nuisances	...	658	1,341
Meat and Foods Inspections	...	347	24
Fish Quay	...	6	—
Fish Curers	...	17	—
Premises where work has been carried out by verbal notice	...	115	—

Complaints.

Matters referred to other Departments	...	...	54
Complaints received	...	...	593
Complaints confirmed	...	...	516
Nuisances found...	...	...	658

Nuisances and Defects Remedied during 1941.

	Public Health Acts.		Housing Acts.	Tynemouth Corporat'n. Act.
	Informal.	Statutory.	Statutory.	Statutory.
No. of defects remedied under 1940 notices	5	16	—	4
Informal notice defects transferred to statutory notices...	61	—	—	—
No. of defects remedied under 1941 notices... ..	181	25	—	145
No. of defects outstanding at end of 1941	45	39	—	7

THE FACTORY ACT, 1937.—Inspections.

Type of Premises.	Number of		
	Inspections.	Written Notices.	Occupiers Prosecuted.
Factories with mechanical power ...	102	1	—
Factories without mechanical power ...	92	1	—
Other premises under the Act (excluding Outworkers' premises)	—	—	—
Totals	194	2	—

The following defects were dealt with on receipt of notices from H.M. Inspector of Factories and remedied in the course of inspections.

Particulars.	Number of Defects.			No. of defects in respect of which Prosecutions were instituted.
	Found.	Remedied.	Referred to H.M. Inspector.	
Want of cleanliness (S. 1) ...	1	1	—	—
Overcrowding (S. 2)	—	—	—	—
Unreasonable temperature (S. 3)	—	—	—	—
Inadequate ventilation (S. 4) ...	—	—	—	—
Ineffective drainage of floors (S 6)	—	—	—	—
Sanitary conveniences (S. 7) :—				
Insufficient	1	—	—	—
Unsuitable or defective ...	—	—	—	—
Not separate from sexes ...	—	—	—	—
Other offences	—	—	—	—
Totals	2	1	—	—

There was a total of 204 factories on the Register at the end of the year, 132 with mechanical, and 72 without mechanical power.

OUTWORKERS.

One notice under Section 110 of the Factories Act, 1937 was received during the year, and on inspection, the premises were found to be in a satisfactory condition.

BAKEHOUSES.

There were 43 premises on the Register at the end of the year, all of which were inspected regularly. It was only necessary to serve one notice for limewashing.

SHOPS ACT, 1934 (Section 10).

Under the provisions of the above Act, 13 visits were made to inspect sanitary conveniences and other arrangements for the welfare of the assistants.

RATS AND MICE (DESTRUCTION) ACT, 1919.

During the year, 641 visits were made by the Inspectors to 147 premises for the purpose of ascertaining Rat Infestation, and in consequence 7 notices were served with successful results.

ERADICATION OF BED BUGS.

(1)	(a)	Number of Council Houses	...	...	...	15
	(b)	Number of Other Houses	...	...	...	9
	(c)	Total number of Houses infested	...	...	...	24
	(d)	Number of Houses de-infested	...	...	...	24

(2) The methods employed for freeing infested houses from Bed bugs :—Spraying with Insecticide (Lowes Gassing Solution or Zaldecide) after preparation of room e.g., stripping off wallpaper and removing skirting boards etc., ; Infested bedding deinfested at Steam disinfectant.

(2) The methods employed for ensuring that the belongings of tenants are free from vermin before removal to Council Houses :—Six hours concentrated fumigation with Sulphur Dioxide (2.8% S.O.) Gas being kept circulating by means of Electric Fans.

(4) Whether the work of deinfestation is carried out by the Local Authority or by a Contractor :—All deinfestation is carried out by experienced men employed directly by the Local Authority.

Deinfestation of privately-owned and occupied property is not carried out by the Department. The services of a Sanitary Inspector are given in an advisory capacity, spray being loaned free of charge, and insecticide sold at cost price.

SEAMEN'S AND COMMON LODGING HOUSES.

There were three Seamen's Lodging Houses on the Register at the end of the year, containing a total of 64 beds. 10 visits of inspection were made, and all was found to be satisfactory. The Chief Constable also made inspections during the year, and reported his satisfaction.

RAG FLOCK ACT, 1911 AND 1928.

There were no samples obtained during the year.

OFFENSIVE TRADES.

Regular inspections have been made on premises at which Offensive Trades are carried on, and the Regulations have been strictly enforced. A list of Offensive Trades registered in this Borough is given below :—

Tallow Melting	...	...	...	1
Fish Liver Boiling	...	...	...	1
Fish Meal Manufacture	...	...	...	1
Tripe Boiling	...	...	...	5
Fish Manure Manufacture	...	...	...	1
Gut Scraping	...	...	...	1
Fish and Potato Frying	...	...	...	27
				—
Total	...	...	...	37
				==

During the year three Fried Fish Shops closed down, and one Licence was transferred to a new occupier.

INSPECTION AND TESTING OF DRAINS.

The total number of tests made during the year was 102 of which 30 were Smoke Tests, 23 Chemical Tests and 49 Water Tests. The drains and sanitary conveniences of new buildings are dealt with by the Borough Surveyor's Staff.

SECTION D. HOUSING.

There were no new dwellings erected under the Corporation Housing Scheme during the year.

NEW HOUSES ERECTED DURING 1941.

(A) Total number of Houses Erected :—

- | | | | | | |
|-----|----------------------------|-----|-----|-----|------|
| (1) | By the Local Authority | ... | ... | ... | Nil. |
| (2) | By other Local Authorities | ... | ... | ... | Nil. |
| (3) | By other bodies or persons | ... | ... | ... | Nil. |

(B) Houses erected with State Assistance under the Housing Acts (Included in A above).

- | | | | | |
|-----|--|------|--|--|
| (1) | By the Local Authority :— | | | |
| (a) | For the purpose of Part II of the Act (1925) | Nil. | | |
| (b) | Do. Part III do. | Nil. | | |
| (c) | For other purposes | Nil. | | |
| (d) | Housing Act, 1936 | Nil. | | |

The above information has been supplied by the Borough Surveyor.

I.—Inspection of Dwellinghouses during the Year.

(1) (a) Total number of dwellinghouses inspected for housing defects under Public Health or Housing Acts	376
(b) Number of inspections made for the purpose ...	376
(2) (a) Number of dwellinghouses included under sub-head (1) above which were inspected and recorded under the Housing Consolidation Regulations, 1925-1932	Nil.
(b) Number of inspections made for the purpose ...	Nil.
(3) Number of dwellinghouses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	Nil.
(4) Number of dwellinghouses (exclusive of those referred to under the preceding sub-head) found not to be in all respects, reasonably fit for human habitation	376

II.—Remedy of Defects during the Year without Service of Formal Notice.

Number of defective dwellinghouses rendered fit in consequence of informal action by the Local Authority or their Officers	251
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III.—Action under Statutory Powers during the Year.

(A) Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936.	
(1) Number of dwellinghouses in respect of which notices were served requiring repairs... ..	Nil.
(2) Number of dwellinghouses which were rendered fit after service of formal notices :—	
(a) By Owners	Nil.
(b) By Local Authority in default of Owners ...	Nil.
(B) Proceedings under Public Health Acts.	
(1) Number of dwellinghouses in respect of which notices were served requiring defects to be remedied ...	233
(2) Number of dwellinghouses in which defects were remedied after service of formal notices :—	
(a) By Owners	206
(b) By Local Authority in default of Owners ...	26
(C) Proceedings under Sections 11 and 13 of the Housing Act, 1936.	
(1) Number of dwellinghouses in respect of which Demolition Orders were made	Nil.
(2) Number of dwellinghouses demolished in pursuance of Demolition Orders	Nil.

(D) Proceedings under Section 12 of the Housing Act, 1936.

(1) Number of separate tenements or underground rooms
in respect of which Closing Orders were made ... Nil.

(2) Number of separate tenements or underground rooms
in which Closing Orders were determined, the tene-
ment or room having been rendered fit ... Nil.

HOUSING ACT, 1936.—PART IV.—OVERCROWDING.

Owing to war conditions it is impossible to give a statement on the position of overcrowding in the Borough. On the termination of hostilities it is anticipated that a new survey will be required. During 1941 no less than 1,525 removals were known to have occurred. No prosecutions were undertaken, under the overcrowding provisions of the Housing Act during the year.

SECTION E.

INSPECTION AND SUPERVISION OF FOOD.

MILK SUPPLIES.

There were 13 Cowkeepers with 26 cowsheds housing 286 cows on the Register at the end of the year.

During the year, Veterinary Inspectors of the Ministry of Agriculture and Fisheries examined the herds of Accredited Producers on 16 occasions, and the herds of the Producers of Ordinary Milk on 18 occasions. In addition one special visit and inspection was made. As a result of this visit, one animal was dealt with under the Tuberculosis Order 1938.

47 visits were made to cowsheds and 245 visits were made to dairies, milk shops etc., and all infringements of the Milk and Dairies Acts and Orders were dealt with satisfactorily.

Consignments of milk coming into the Borough by road or rail, and the condition of the empty churns returned received attention.

Milk Retailers.

Applications for registration received	...	...	...	22
Applications for registration granted	...	...	...	22
Number of Milk Dealers on the Register	...	...	...	166
Dairy premises registered during the year	...	...	...	2
Producers and cowkeepers, wholesale dealers, registered				
during 1941	...	...	...	1
Applications withdrawn	...	...	...	Nil.
Retailers relinquishing registration...	...	...	...	21

MILK (SPECIAL DESIGNATIONS) ORDER.

The following table gives the various grades for which licences were granted :—

Dealers' Licences to sell Tuberculin Tested Milk	...	4
Supplementary Licences to sell Tuberculin Tested Milk...		5
Producers' Licences for Accredited Milk	... ..	4
Supplementary Licences for Accredited Milk	... ..	—
Dealers' Licences to sell Accredited Milk	... ..	—
Dealers' Licences to sell Pasteurised Milk	... ..	11
Dealers' Licences to bottle Tuberculin Tested Milk	... ..	3
Dealers' Licences to bottle Accredited Milk	... ..	1

MILK SAMPLES FOR BACTERIOLOGICAL EXAMINATION.

There were 47 samples of Milk taken for examination for Tubercle Bacilli, and submitted to the Public Health Laboratory, Newcastle. Of the total samples taken 42 were from sources within the Borough and 5 from outside. In addition 2 samples of Pasteurised Milk were submitted to the Public Analyst for the Phosphatase Test.

RESULTS OF BACTERIOLOGICAL EXAMINATIONS OF MILK.

				Total.	Passed.	Failed.
Accredited Milk.	Methylene Blue Test	...		21	20	1
	Coliform Test	... ..		23	16	7
	Tubercle	... ..		23	21	2
	Plate Count	... ..		2	2	—
Pasteurised Milk.	Plate Count	... ..		1	1	—
	Tubercle	... ..		1	1	—
	Phosphatase Test	... ..		2	2	—
Ordinary Milk.	Coliform Test	... ..		23	16	7
	Plate Count	... ..		23	13	10
	Tubercle	... ..		23	23	—
Total Graded Milks				26		
Total Ordinary Milks				23		
Total Samples Taken				49		

TYNEMOUTH CORPORATION ACTS, 1916-1934.

Regulations made under the Acts are in force, and no persons are permitted to use premises for the preparation of food unless they are registered by the Local Authority, who have power to refuse registration if, in their opinion, the premises are unsatisfactory.

There are 76 persons in the Borough registered as occupiers of premises in which Ice Cream is sold or manufactured, and 90 persons are registered as owners or occupiers of premises in which Preserved Meat, Fish Cakes, or other foods are prepared. These figures do not include premises used for the business of Fish and Potato Frying.

37 visits were made during the year to supervise and emphasise the need for cleanliness in the handling of food. No serious negligence was discovered.

FOOD AND DRUGS.

MILK AND CREAM REGULATIONS, 1912-1927.

- (1) Milk and Cream not sold as Preserved Cream. The following samples were examined for the presence of a preservative : Milk 84 ; Cream Nil ; and Tinned Cream Nil. No preservatives were reported to be present in any of the foregoing samples.
- (2) Thickening Substances. No evidence was found of any addition of thickening substances to Cream during the year.

ARTIFICIAL CREAM ACT, 1929.

There were no samples taken under this Act during the year.

SALE OF FOOD AND DRUGS (ADULTERATION) ACT, 1928.

SAMPLES TAKEN FOR CHEMICAL ANALYSIS.

TABLE I.

Articles Analysed.	Total.	No. of Samples taken for Analysis.		No. found to be Adulterated.		Percentage of Samples Adulterated.	
		In-formal	For-mal.	In-formal	For-mal.	In-formal	For-mal.
Artificial vinegar	6	6	—	3	—	% 50	% —
Baking Powder	3	3	—	—	—	—	—
Borax	1	1	—	—	—	—	—
Boracic Powder	2	2	—	—	—	—	—
Bun Powder	1	1	—	—	—	—	—
Butter	5	5	—	—	—	—	—
Castor Oil	3	3	—	—	—	—	—
Cheese	2	2	—	—	—	—	—
Coffee	2	2	—	—	—	—	—
Coffee & Chickory	2	2	—	—	—	—	—
Cooking Fat	1	1	—	—	—	—	—
Condensed Milk (Full Cream)							
Sweet	1	1	—	—	—	—	—
Custard Powder	1	1	—	—	—	—	—
Carried forward ...	30	30	—	3	—	—	—

Articles Analysed.	Total.	No. of Samples taken for Analysis.		No. found to be Adulterated.		Percentage of Samples Adulterated.	
		In-formal	For-mal.	In-formal	For-mal.	In-formal	For-mal.
Brought forward ...	30	30	—	3	—	%	%
Chocolate ...	1	—	1	—	—	—	—
Cocoa	3	3	—	—	—	—	—
Dried Milk (Skimmed) ...	1	1	—	—	—	—	—
Evaporated Milk ...	1	1	—	—	—	—	—
Egg Substitute ...	1	1	—	—	—	—	—
Gravy Maker ...	1	1	—	—	—	—	—
Jam (Gooseberry) ...	1	1	—	—	—	—	—
do. (Strawberry & Plum) ...	1	1	—	—	—	—	—
Lard ...	4	4	—	1	—	25	—
Lemon Substitute ...	3	3	—	—	—	—	—
Licquorice Powder ...	1	1	—	—	—	—	—
Margarine ...	5	5	—	—	—	—	—
Meat Extract ...	1	1	—	—	—	—	—
Meat Roll ...	1	1	—	—	—	—	—
McLean's Powder ...	2	2	—	—	—	—	—
New Milk ...	71	—	71	—	6	—	8.4
Olive Oil ...	2	2	—	—	—	—	—
Pasteurised Milk ...	3	2	1	—	—	—	—
Sardines ...	3	3	—	—	—	—	—
Sauce ...	1	1	—	—	—	—	—
Sage & Onion Stuffing... ..	1	1	—	—	—	—	—
Syrup of Figs ...	1	1	—	—	—	—	—
Sterilised Milk ...	7	—	7	—	—	—	—
Sugar ...	1	1	—	—	—	—	—
Tea ...	1	1	—	—	—	—	—
Vegetables in Gravy ...	1	1	—	—	—	—	—
Whisky (Irish) ...	1	—	1	—	—	—	—
White Pepper ...	3	3	—	—	—	—	—
Total ...	153	72	81	4	6	5.5	7.4

The Chemical Analysis of the above samples is carried out by the Public Analyst to the County Borough of Tynemouth Corporation, Mr. W. Gordon Carey, 10, Dean Street, Newcastle upon Tyne.

PUBLIC HEALTH (CONDENSED MILK) REGULATIONS, 1923-1927.

There were 2 samples examined during the year under these regulations.

PUBLIC HEALTH (DRIED MILK) REGULATIONS 1923-1927.

There was one sample taken during the year.

PARTICULARS OF ADULTERATED SAMPLES.

TABLE II.

No.	Article.	Defect.	Action taken.
39	New Milk	Deficient in Milk Fat to the extent of 5.3%	Letter of Caution from Town Clerk to Vendor.
46	Lard	Chiefly composed of vegetable fat or oils.	Letter of Caution from Town Clerk to Manufacturer.
69	New Milk	Deficient in Milk Fat to the extent of 8.0%	Letter of Caution from Town Clerk.
74	Vinegar	Deficient in Acetic Acid by 12.5%	Letter of Caution from Town Clerk to Manufacturer.
78	New Milk	Deficient in Non-Fatty Solids to extent of 0.5%	Vendor appeared before Health Committee and was cautioned.
79	New Milk	Deficient in Non-Fatty Solids to extent of 10.4%	Vendor appeared before Health Committee and was cautioned.
81	Sterilised Milk ...	Deficient in Non-Fatty Solids to extent of 0.7%	Letter of Caution from Town Clerk to Wholesaler.
90	New Milk	Deficient in Non-Fatty Solids to extent of 2.7% Presence of added Water was NOT confirmed by the Freezing Point Test.	Vendor appeared before Health Committee and was cautioned.
115	Vinegar	Deficient in Acetic Acid by 18.7%	Letter of Caution from Town Clerk.
147	Vinegar	Deficient in Acetic Acid by 12.0%	Letter of Caution from Town Clerk.

PUBLIC HEALTH (PRESERVATIVES IN FOOD) REGULATIONS, 1925-1927.

153 samples were examined during the year, and in no case was any infringement of the regulations discovered.

INSPECTION OF MEAT AND OTHER FOODS.

Slaughterhouses.

There now remain 15 private slaughterhouses, which are subject to annual Licence. Since the operation of the Livestock (Restrictions on Slaughtering) Order 1940, all slaughtering is now centralised at Whitley Bay under Government Control.

8 Cases of emergency slaughter, for home consumption were authorised under a Licence of the Local Officer of the Ministry of Food.

Meat coming into the town is distributed from four pools, all of which use approved slaughterhouses as centres serving 82 butchers.

Inspection of Meat.

107 visits were made to the distributing centres and shops, as a result of which 12 instances of unsound conditions of meat were found chiefly due to damage and delay in transit.

SWINE FEVER.

Five cases of suspected Swine Fever were notified to the Ministry, one of which was not confirmed. In the four outbreaks confirmed by the Veterinary Inspectors, 50* were slaughtered and destroyed. Cleaning and disinfection was carried out in accordance with the Order.

FISH.

The large amount of fish condemned was practically entirely due to war conditions, chiefly delay in transit. The Ministry of Food was kept informed of the conditions experienced.

TOTAL AMOUNT OF UNSOUND FOOD CONDEMNED.

Food.	Tons.	Cwts.	Qtrs.	Lbs.	Ozs.
Beef	—	8	1	24	—
*Pork	—	12	2	25	8
Bacon	—	1	1	1	1
Mutton	—	2	—	1	—
Poultry	—	—	—	8	—
Rabbits	—	—	2	4	8
Fish	30	11	3	27	8
Shellfish	2	11	—	21	—
Milk (Tinned)... ..	—	—	3	8	11
Canned Meat	—	—	2	19	4
Miscellaneous Groceries	6	16	1	21	1
Totals	41	6	0	21	9

SECTION F.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS AND OTHER DISEASES.

MEASLES AND WHOOPING COUGH.

The following table shows the number of deaths from Measles (including German Measles) and Whooping Cough together with the number of notifications received during the year.

Whooping Cough :—

Cases Notified	...	...	...	119
Deaths at all ages	...	...	...	3

Measles (including German Measles) :—

Cases Notified	...	...	...	200
Deaths at all ages	...	...	...	Nil.

DIARRHOEA AND ENTERITIS.

During the year there were 5 deaths of children under 2 years of age, which is equal to a mortality rate of 5.57 per 1,000 births.

The mortality rate for England and Wales, and the Great Towns were 5.1 and 7.5 respectively.

OPHTHALMIA NEONATORUM.

3 cases were notified during the year, one being a Hospital Case (non-resident).

In addition to cases of Ophthalmia Neonatorum, detailed above, 4 cases of Discharging Eyes were attended by the Nursing Association who made 23 visits.

PEMPHIGUS NEONATORUM.

6 visits were paid by the District Nurse to one confirmed case of Pemphigus Neonatorum.

This case was subsequently treated in Hospital.

FOOD POISONING.

There was one suspected case of food poisoning reported during the year. On a bacteriological examination being made, no organisms of the food poisoning groups were found.

NOTIFIABLE DISEASES (other than Tuberculosis) DURING THE YEAR 1941.

(Table in accordance with Ministry of Health instructions).

Disease.	Total.	Total Cases Notified.										Cases admitted to Hospital.	Total Deaths		
		Under 1	1—	2—	3—	4—	5—	10—	15—	20—	35—			45—	65 & over.
Measles ...	200	7	21	38	36	38	57	3	—	—	—	—	9	—	3
Whooping Cough ...	119	14	22	15	24	21	23	—	—	—	—	—	—	—	11
Diphtheria ...	182	—	6	9	9	14	67	40	17	18	1	1	180	—	40
Pneumonia ...	73	8	5	1	1	1	4	4	3	10	9	14	—	—	—
Scarlet Fever ...	27	—	1	2	3	7	8	5	—	1	—	—	15	—	—
Puerperal Pyrexia ...	6	—	—	—	—	—	—	—	1	3	2	—	6	—	3
Enteric Fever ...	1	—	—	—	—	—	—	—	—	1	—	—	1	—	—
Influenzal Pneumonia ...	7	—	—	—	—	—	—	1	1	1	—	4	—	—	11
Smallpox ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dysentery ...	1	—	—	—	—	—	—	—	—	1	—	—	—	—	—
Other Diseases Generally Notifiable :—															
Ophthalmia Neonatorum	3	3	—	—	—	—	—	—	—	—	—	—	1	—	—
Erysipelas...	21	—	—	—	—	—	1	—	2	5	4	6	—	—	—
Cerebro-Spinal Fever	9	1	—	2	2	1	1	1	1	—	—	—	9	—	4
Poliomyelitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Malaria ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals ...	649	33	55	67	75	82	161	54	25	40	16	25	221		72

IMMUNISATION.

Immunisation against Scarlet Fever, Diphtheria, or Typhoid Fever has always been available in this Borough, but until the Minister of Health's Campaign for Immunisation against Diphtheria was launched, the general public made little response.

Particular attention was paid to school children in the Borough and a scheme was worked out in conjunction with the staff of the Education Department whereby scholars were immunised at their own school. Pre-school children were immunised at the Maternity and Child Welfare Centres, where a regular Immunisation Clinic is held every Wednesday afternoon.

Up to the end of the year, the total number of School Children immunised under the above scheme which was commenced in June, was 4,547; whilst a total of 1,156 Pre-School Children were immunised between the period March/December, 1941, making a total of 5,703 children.

DISINFECTION OF PREMISES AND ARTICLES OF CLOTHING.

The following table shows the number of rooms disinfected and the number of articles of clothing removed and disinfected at Moor Park Hospital Disinfecting Station during the year.

Disease.							Rooms.	Articles of Clothing.
Diphtheria	...	...	...	...	...	...	188	2,564
Scarlet Fever	...	...	...	...	...	...	23	189
Tuberculosis	...	...	...	...	...	...	38	260
Vermin	...	...	...	...	...	...	28	3,466
Measles	...	...	...	...	...	...	—	41
Other Diseases	...	...	...	...	...	...	7	2,426
Total							484	8,946*

* Includes 5,871 for Services and Civil Defence.

X-RAY EXAMINATIONS.

Radiography of contacts, suspected cases, and all notified cases were carried out during the year, subsequent examinations when necessary were made as part of the routine Dispensary supervision.

531 Radiographs and 235 Screen examinations were made during the year.

CANCER.**Deaths and Death Rates from Cancer.**

	1905 -09	1910 -14	1915 -19	1920 -24	1925 -29	1930 -34	1935 -39	1940	1941
Deaths	185	244	287	319	315	403	474	121	98
Death Rate per 1,000 living ...	0.67	0.82	1.00	0.99	0.95	1.23	1.42	2.02	1.74
Proportion of deaths per 1,000 deaths from all causes	37	51	56	72	74	99	117	144	92

Deaths, 1941—98. Mortality Rate per 1,000—1.74.

There are facilities for early diagnosis and treatment in the Borough at the Tynemouth Victoria Jubilee Infirmary, where there is a complete unit including the services of an honorary consultant radiologist, and honorary consultant surgeon.

VACCINATION.

The following table gives the figures relative to the Vaccination of Infants in the Borough, for the year 1940, under the Vaccination Acts.

Births.	Vacci- nated success- fully.	Insus- ceptible	Died un- accvi- nated.	Consci- entious Objec- tors.	Post- poned by Medical Certifi- cate.	Re- moved	Unac- count- ed for.	Percentage not vaccinated including columns 5, 6, 7 & 8.
1	2	3	4	5	6	7	8	9
1,121	212	2	54	764	—	30	59	76.1

In addition, the following number of vaccinations were carried out during the year ended 30th September, 1941.

	Numbers of successful Primary Vaccinations of persons.			Number of Successful Re-vaccinations, i.e., Successful vaccina- tions of persons who had been successfully vaccinated at some previous time.
	Under one year of Age.	One year and upwards.	Total.	
By the Public Vaccinators, under the Vaccination Acts	129	2	131	3
By the Medical Officer of Nealth, under the Provision of the Public Health (Smallpox) Rrgulations, 1917	0	0	0	0

TUBERCULOSIS.**New Cases and Mortality from Pulmonary and Non-Pulmonary Forms of Tuberculosis during 1941.**

Age Periods.	New Cases.				Deaths (Registrar-General).			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 ...	—	—	—	—	—	—	1	—
1- 5 ...	—	—	1	2	—	—	1	2
5-10 ...	—	—	3	—	—	1	1	1
10-15 ...	—	2	—	—	—	1	—	—
15-20 ...	5	8	—	4	1	1	—	2
20-25 ...	4	6	—	—	2	5	—	—
25-35 ...	6	8	—	1	8	5	—	1
35-45 ...	7	3	—	—	8	3	1	—
45-55 ...	7	3	—	—	7	4	—	—
55-65 ...	4	—	—	—	6	3	—	—
65 and over...	—	1	—	—	1	—	—	—
Totals ...	33	31	4	7	33	23	4	6

The total number of notifications received was 79 relating to 75 new cases (67 adults, 8 children) ; 4 of the total number were notified more than once.

- (1) **Pulmonary Tuberculosis** :—Deaths 56 ; mortality rate per 1,000 is equal to 0.99.
- (2) **Non-Pulmonary Tuberculosis** :—Deaths 10 ; mortality rate per 1,000 is equal to 0.17.

TYNEMOUTH CARE COMMITTEE.

Mr. H. W. Welch, the Hon. Financial Secretary of the Tynemouth Care Committee reports that during the past year, the number of cases assisted was 11. Of this number 9 were granted extra nourishment, consisting of special quantities of eggs, and milk, to approved cases of Tuberculosis. The 2 remaining cases were supplied with surgical appliances, boots, clothing, etc.

The income of this Committee consists of an annual grant from the Tynemouth Corporation and from donations received from the Employees of the Newcastle and Gateshead Gas Co., and the Employees of Messrs. Smith's Dock Co. (Hospital Committee). A special anonymous donation was received per Mr. J. Oliver.

Grateful thanks are expressed to these donors.

ULTRA-VIOLET LIGHT THERAPY.

The total number of patients treated at the Clinic during the year was 98, made up of 34 adults and 64 children, the result of the treatment given being as follows :—

23 were discharged, healed or quiescent ; 40 improved ; 15 remained stationary ; and 20 ceased to attend.

REPORT UPON DISPENSARY AND INSTITUTIONAL TREATMENT FOR 1941.

Diagnosis.	Pulmonary.				Non-Pulmonary.				Total.				Grand Total.
	Adults.		Children		Adults.		Children.		Adults.		Children.		
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
A.— (1) Number of definite cases of Tuberculosis on the Dispensary Register at the beginning of the year	123	59	33	33	14	9	44	31	137	68	77	64	346
(2) Transfers from other Authorities ...	—	—	—	—	—	—	—	—	—	—	—	—	—
(3) Lost sight of cases returned	—	—	—	—	—	—	—	—	—	—	—	—	—
B.— Number of new cases diagnosed as tuberculosis :—													
(1) Class T.B. Minus	28	25	6	2	—	—	—	—	28	25	6	2	61
(2) Class T.B. Plus	7	8	—	—	—	—	—	—	7	8	—	—	15
(3) Non-Pulmonary	—	—	—	—	1	7	3	6	1	7	3	6	17
C.— Number of cases included in A and B written off the Dispensary Register :—													
(1) Recovered ...	4	2	4	1	2	1	3	6	6	3	7	7	23
(2) Dead (all causes)	33	16	1	3	—	1	—	1	33	17	1	4	55
(3) Removed to other Areas ...	3	8	2	1	—	—	4	4	3	8	6	5	22
(4) For other reasons	5	—	—	—	1	—	1	1	6	—	1	1	8
D.— Number of definite cases of Tuberculosis on the Dispensary Register at the end of the year	113	66	32	30	12	14	39	25	125	80	71	55	331

1. Number of attendances at the Dispensary (including contacts) ... 962
2. Number of consultations with Medical Practitioners (personal) ... 94
3. Number of visits by Nurses or Health Visitors to homes for Dispensary purposes 2,449
4. Number of visits by Tuberculosis Officers to homes (including personal consultations) 5
5. Number of :—
 - (a) Specimens of Sputum etc., examined 294
 - (b) X-Ray examinations made in connection with Dispensary work 766

VENEREAL DISEASES.

The Centres available for the treatment of venereal diseases are the Joint Committees' Clinic, Newcastle, and the Auxiliary Centre at Preston Hospital, Tynemouth, and at the Public Health Department, for females and children.

The number of persons from Tynemouth treated at the various clinics in the district is given below :—

Disease.	Treatment Centres.			
	Newcastle.	South Shields.	Tynemouth.	Other Centres.
Syphilis	4	2	24	—
Soft Chancre	1	—	2	—
Gonorrhoea	12	9	92	—
Conditions other than venereal	17	6	25	1
Total new cases from Tynemouth	34	17	143	1
Attendances	526	139	4,633	42

The attendances at the Preston Hospital Clinic, and Public Health Department Clinic, Tynemouth (including those made by foreigners and non-residents, not included in the above table), are :—

	Preston Hospital Clinic, Tynemouth.			
	Residents.	Non-Residents.	Foreigners.	Total.
New Cases	143	60	37	240*
Attendances (all cases) ...	4,633	1,700	780	7,113

* Of the above cases 327 attendances were made by 7 Service patients.

The sources from which specimens were sent during 1941 are indicated in the following table :—

Nature of Test.	Newcastle V.D. Clinic.	Tynemouth V.D. Clinic.	Other Centres.	Private Practitioners.	Tynemouth Infirmary.
Blood :—					
Wasserman reaction	86	318	94	8	7
Gonococcal fixation	29	13	4	—	—
Cerebro-Spinal Fluid :—					
Wasserman	5	2	—	—	—
General examination	5	—	—	—	—
Microscopical Examination ...	—	12	—	3	—
Totals	125	352	98	11	7

SECTION G.**SECTION G.—MISCELLANEOUS.****CIVIL DEFENCE.**

The work of organising and supervising the First Aid and Casualty Service of the Civil Defence Organisation in this Borough, has, since the commencement of hostilities occupied a large part of the time of the members of the Public Health Department Staff.

At the end of the year, two First Aid Posts, each having facilities for the decontamination of injured persons, were completely equipped and ready for action. Ambulance facilities are situated in close proximity to each First Aid Post. In addition there are four First Aid Party Depots situated throughout the Borough, and two Mobile First Aid Units are garaged centrally.

Control.

The Medical Officer of Health, and Dr. R. M. White, Assistant Medical Officer of Health, control all activities of the Casualty Service, and are assisted by Mr. G. G. Ellis (a member of the staff of the Public Health Department), as Administrative Staff Officer, and by Mr. J. Cox, Operational Staff Officer. Decontamination is under the direction of the Senior Sanitary Inspector, Mr. C. A. Murray.

The two fixed First Aid Posts in the Borough are under the direction of Doctors Martin and Paterson, general Medical Practitioners, who, in emergency, are assisted by Doctors Muirhead and Graham.

Personnel.

The number of First Aid Parties authorised for the Borough on the commencement of hostilities was 22, having at their disposal 11 ambulances and 11 cars, but owing to the man-power shortage, much more use is made of part-time volunteers, and at the present time there are only 12 whole-time paid First Aid Parties employed, the balance of personnel being part-time volunteers.

Training of First Aid Party personnel has of late been largely under the direction of Dr. R. M. White, Assistant Medical Officer of Health, whilst Doctors Martin and Paterson are responsible for the training of First Aid Post personnel, assisted by Mrs. M. A. Hawdon, Senior Lay Superintendent First Aid Posts. All Gas Instruction is in the hands of Inspector Murray and Mr. J. A. Ratcliffe, both fully qualified A.R.P.S. instructors.

A very high standard of proficiency has been displayed in their work throughout the year.

APPENDIX.

VITAL STATISTICS OF THE COUNTY BOROUGH OF TYNEMOUTH DURING 1941 AND PREVIOUS YEARS.
TABLE I.

Year.	Popula- tion estimated to middle of each Year.	Births.		Total Deaths Registered in the District.		Transferable Deaths.		Nett Deaths belonging to the District.			
		Nett.		Number.	Rate.	of Non- residents registered in the District.	of Resi- dents not registered in the District.	Under 1 Year of Age.		At all Ages.	
		Number.	Rate.					Number	Rate per 1,000 Nett Births.	Number.	Rate.
1932	65,630	1,238	18.86	890	13.6	179	37	86	69	748	11.40
1933	65,770	1,135	17.25	1,063	16.1	238	48	96	84	873	13.27
1934	65,950	1,172	17.77	1,022	15.5	229	47	85	77	840	12.73
1935	67,350	1,201	17.38	1,033	15.3	255	46	76	63	824	12.23
1936	66,800	1,209	18.10	1,022	15.3	286	37	78	65	773	11.57
1937	66,880	1,087	16.25	1,135	16.9	323	46	72	66	858	12.83
1938	66,510	1,104	16.60	1,054	15.8	307	50	67	61	797	11.98
1939	67,000	1,119	16.70	1,038	15.9	303	57	76	68	792	12.14
1940	59,730	1,060	17.74	1,139	19.2	299	65	71	67	840	14.06
1941	56,240	897	15.95	1,244	22.1	274	96	85	95	1,066	18.95

Area of the County Borough of Tynemouth in Acres (Exclusive of Area covered by water) ... 4,604 Acres.

Total Population at all ages	...	64,922
Population in Private Families	...	62,058
Number of Private Families	...	16,079
Average Number of Persons per Family...	...	3.86
Number of Dwellinghouses	...	13,635
Number of Inhabited Dwellinghouses	...	13,338

At Census of 1931.

TABLE II.

Registrar-General's List of Causes of Death at different periods of life in the County Borough of Tynemouth during 1941.

MALES.

Short List No.	Causes of Death.	Under 1 Year.	1 to 5	5 to 15	15 to 45	45 to 65	65 and over.	Total all Ages.
1	Typhoid and Paratyphoid Fever...	—	—	—	—	—	—	—
2	Cerebro-spinal Fever ...	—	1	1	—	—	—	2
3	Scarlet Fever ...	—	—	—	—	—	—	—
4	Whooping Cough ...	1	—	—	—	—	—	1
5	Diphtheria ...	—	2	4	2	—	—	8
6	Tuberculosis of Respiratory System ...	—	—	—	19	13	1	33
7	Other Forms of Tuberculosis...	1	1	1	1	—	—	4
8	Syphilitic Disease ...	—	—	—	7	1	—	8
9	Influenza ...	—	—	—	1	3	4	8
10	Measles ...	—	—	—	—	—	—	—
11	Acute Poliomyelitis and Polioencephalitis ...	—	—	—	—	—	—	—
12	Acute Infectious Encephalitis	—	—	—	—	—	—	—
13M.	Cancer of Buccal Cavity and Oesophagus ...	—	—	—	1	2	5	8
14	Cancer of Stomach and Duodenum ...	—	—	—	—	5	4	9
16	Cancer of all other sites ...	—	—	—	2	18	13	33
17	Diabetes ...	—	—	—	—	1	2	3
18	Intra-cranial Vascular Lesions	—	—	—	2	6	26	34
19	Heart Disease ...	—	—	—	7	34	53	94
20	Other Diseases of the Circulatory System ...	—	—	—	—	3	13	16
21	Bronchitis ...	12	2	—	5	15	18	52
22	Pneumonia ...	9	4	1	—	4	4	22
23	Other Respiratory Diseases ...	—	—	—	2	5	2	9
24	Ulceration of the Stomach and Duodenum ...	—	—	—	2	2	—	4
25	Diarrhoea (under 2 years of age)	4	—	—	—	—	—	4
26	Appendicitis ...	—	—	—	—	1	—	1
27	Other Digestive Diseases ...	—	—	1	2	6	2	11
28	Nephritis ...	—	—	—	3	6	9	18
31	Premature Birth ...	7	—	—	—	—	—	7
32	Congenital Malformation, Birth Injury and Infantile Diseases	6	—	—	—	—	—	6
33	Suicide ...	—	—	—	—	—	—	—
34	Road Traffic Accidents ...	—	—	—	—	1	2	3
35	Other Violent Causes ...	1	12	15	47	33	11	119
36	All Other Causes ...	4	3	1	5	9	19	41
	Totals All Causes ...	45	25	24	108	168	188	558

Deaths under one year of age :—

Legitimate male children ... 41.
 Illegitimate male children ... 4.

TABLE III.

Registrar-General's List of Causes of Death at different periods
of life in the County Borough of Tynemouth during 1941.

FEMALES.

Short List No.	Causes of Death.	Under 1 Year.	1 to 5	5 to 15	15 to 45	45 to 65	65 and over.	Total all Ages.
1	Typhoid and Paratyphoid Fever... ..	—	—	—	—	—	—	—
2	Cerebro-Spinal Fever... ..	1	1	—	—	—	—	2
3	Scarlet Fever	—	—	—	—	—	—	—
4	Whooping Cough	—	1	1	—	—	—	2
5	Diphtheria	—	—	2	1	—	—	3
6	Tuberculosis of Respiratory System	—	—	2	14	7	—	23
7	Other Forms of Tuberculosis... ..	—	2	1	3	—	—	6
8	Syphilitic Diseases	—	—	—	—	2	1	3
9	Influenza	—	—	—	—	1	2	3
10	Measles	—	—	—	—	—	—	—
11	Acute Poliomyelitis and Polioencephalitis	—	—	—	—	—	—	—
12	Acute Infectious Encephalitis	—	—	—	1	—	—	1
13F.	Cancer of Uterus	—	—	—	1	7	4	12
14	Cancer of Stomach and Duodenum	—	—	—	3	3	3	9
15	Cancer of Breast	—	—	—	1	5	5	11
16	Cancer of all other sites	—	—	—	2	6	8	16
17	Diabetes	—	—	—	—	2	2	4
18	Intra-cranial Vascular Lesions	—	—	—	—	14	38	52
19	Heart Disease	—	—	1	4	18	55	78
20	Other Diseases of the Circula- tory System	—	—	—	1	—	12	13
21	Bronchitis	8	1	—	—	5	21	35
22	Pneumonia	6	—	1	3	6	2	18
23	Other Respiratory Diseases	—	—	—	1	4	4	9
24	Ulceration of the Stomach and Duodenum	—	—	—	1	—	—	1
25	Diarrhoea (under 2 years of age	1	—	—	—	—	—	1
26	Appendicitis	—	—	—	—	—	—	—
27	Other Digestive Diseases	—	—	—	—	2	5	7
28	Nephritis	—	—	—	2	4	4	10
29	Puerperal and Post-Abortive Sepsis	—	—	—	—	—	—	—
30	Other Maternal Causes	—	—	—	3	—	—	3
31	Premature Birth	4	—	—	—	—	—	4
32	Congenital Malformation, Birth Injury and Infantile Diseases	9	—	—	—	1	—	10
33	Suicide	—	—	—	—	3	—	3
34	Road Traffic Accidents	—	—	1	1	—	—	2
35	Other Violent Causes	4	11	19	45	25	16	120
36	All Other Causes	7	—	1	7	13	19	47
	Totals All Causes	40	16	29	94	128	201	508

Deaths under one year of age :—

Legitimate female children ... 35.

Illegitimate female children ... 5.

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